

creative powers of pepsis

ideas on digestion, science and method

Background of work

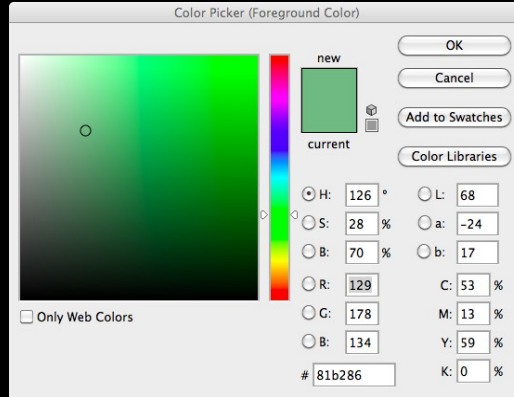
The proposal grew out of an interest in Gottfried F. Runge's chemical images who developed a technique similar to paper chromatography and the idea of a "creative nature". Recent work changing colour codes into sound would make it possible to use similar imaging techniques as used in a lab at Unist and to use the data to create new structures.

See below a sample of the flag piece:













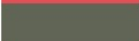










States of Exception

<https://wp.me/P1ynG8-Pw>

Abkhazia



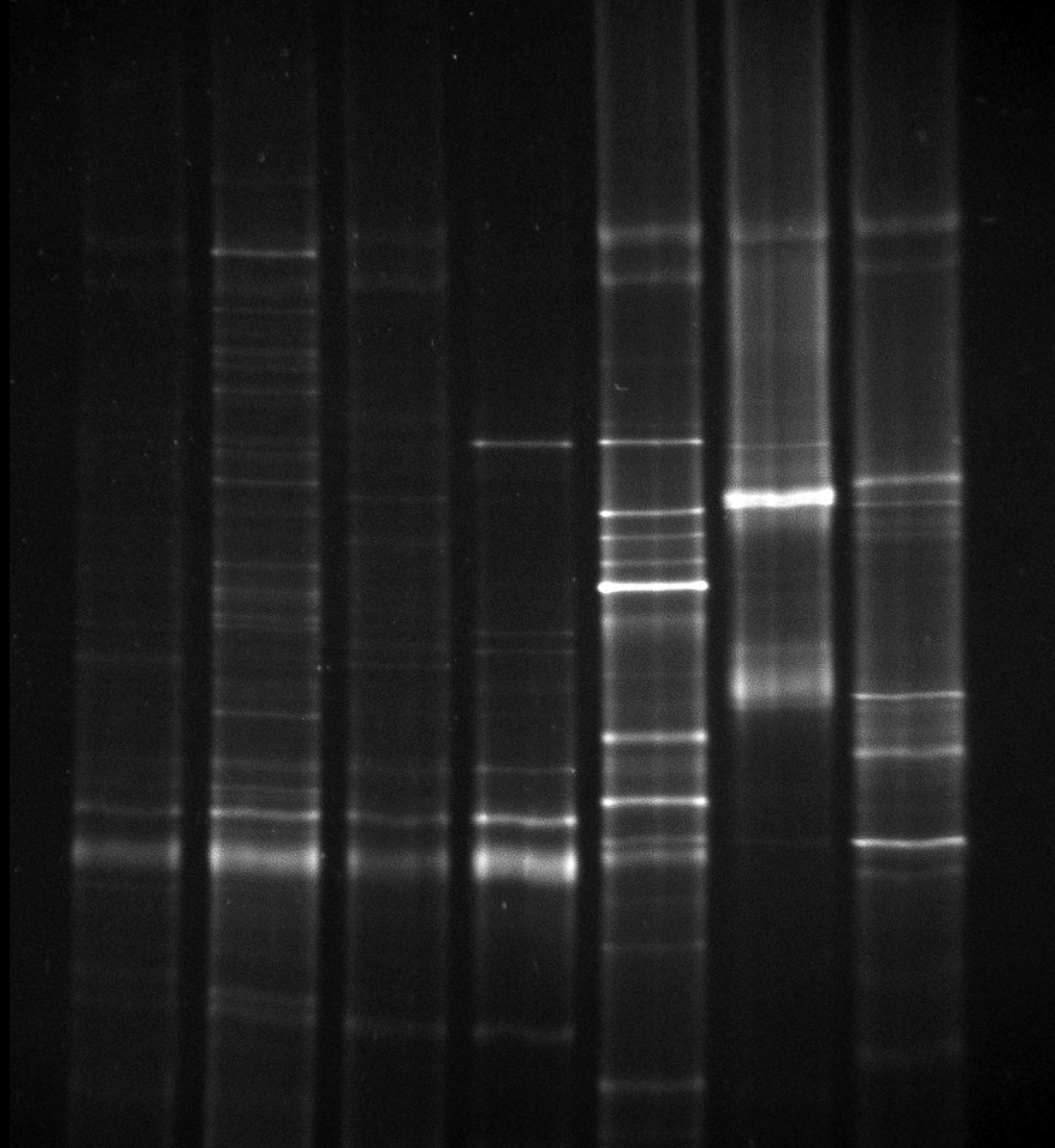
Flag Colour List / States of Exemption

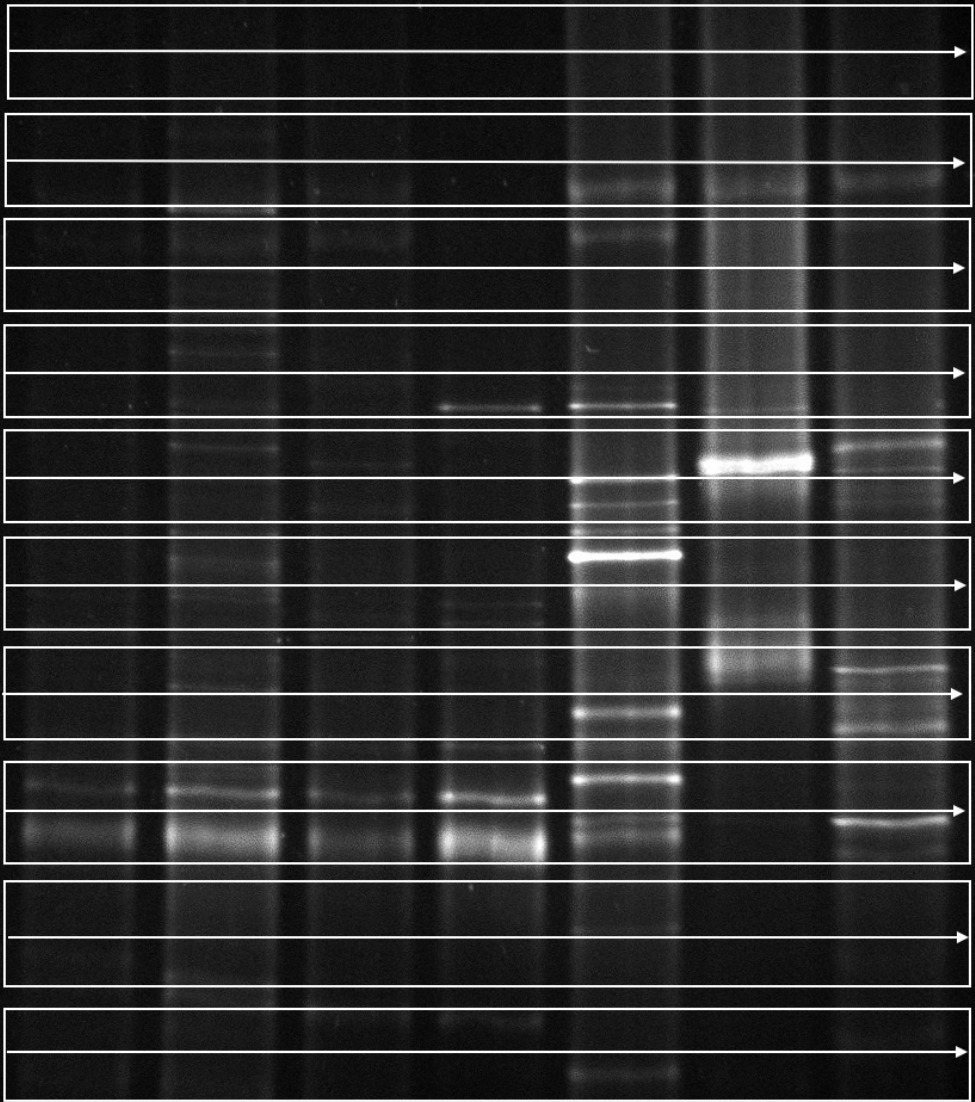
| | rgb | | | cmyk-% | | | | # | file | country |
|---|-----|-----|-----|--------|-----|-----|----|---------|------|--------------------------|
|  | 129 | 178 | 134 | 53 | 13 | 59 | 0 | 81b286 | | Abkhazia |
|  | 66 | 93 | 133 | 82 | 64 | 27 | 8 | 425d85 | | Antarctic Treaty |
|  | 168 | 100 | 88 | 28 | 66 | 62 | 11 | a86458 | | Artsakh |
|  | 255 | 56 | 0 | 0 | 91 | 100 | 0 | ff3800 | | Cristiana |
|  | 71 | 33 | 65 | 67 | 90 | 44 | 47 | 472141 | | Donetsk |
|  | 245 | 202 | 202 | 2 | 24 | 12 | 0 | f5caca | | Elgaland-Vargaland |
|  | 206 | 30 | 51 | 13 | 100 | 87 | 3 | ce1e33 | | Isle of Man |
|  | 255 | 59 | 59 | 0 | 90 | 77 | 0 | ff3b3b | | Jammu & Kashmir |
|  | 20 | 78 | 159 | 98 | 79 | 3 | 0 | 144e9f | xk | Kosovo |
|  | 113 | 86 | 140 | 65 | 75 | 18 | 3 | 71568c | | Luhansk |
|  | 248 | 191 | 195 | 0 | 30 | 12 | 0 | f8bfc3 | | Northern Cyprus |
|  | 228 | 79 | 85 | 5 | 84 | 64 | 1 | e44f55 | | Order of St. John |
|  | 96 | 100 | 86 | 60 | 48 | 63 | 26 | 606456 | | Palestine |
|  | 254 | 128 | 1 | 0 | 61 | 100 | 0 | fe80001 | | Principality of Trinidad |
|  | 170 | 127 | 105 | 31 | 50 | 58 | 7 | aa7f69 | | Somaliland |
|  | 255 | 159 | 85 | 0 | 45 | 72 | 0 | ff9f55 | | South Ossetia |
|  | 68 | 75 | 71 | 69 | 56 | 61 | 40 | 444b47 | SS | South Sudan |
|  | 200 | 8 | 42 | 15 | 100 | 94 | 5 | c8082a | TW | Taiwan |
|  | 169 | 106 | 88 | 29 | 62 | 64 | 11 | a96a58 | | Tibet |
|  | 168 | 37 | 27 | 23 | 98 | 100 | 17 | a8251b | | Transnistria |
|  | 252 | 234 | 118 | 3 | 3 | 66 | 0 | fcea76 | VA | Vatican |
|  | 101 | 164 | 84 | 66 | 15 | 88 | 1 | 65a454 | | Wendland |
|  | 95 | 96 | 58 | 57 | 46 | 83 | 31 | 5f603a | EH | Western Sahara |

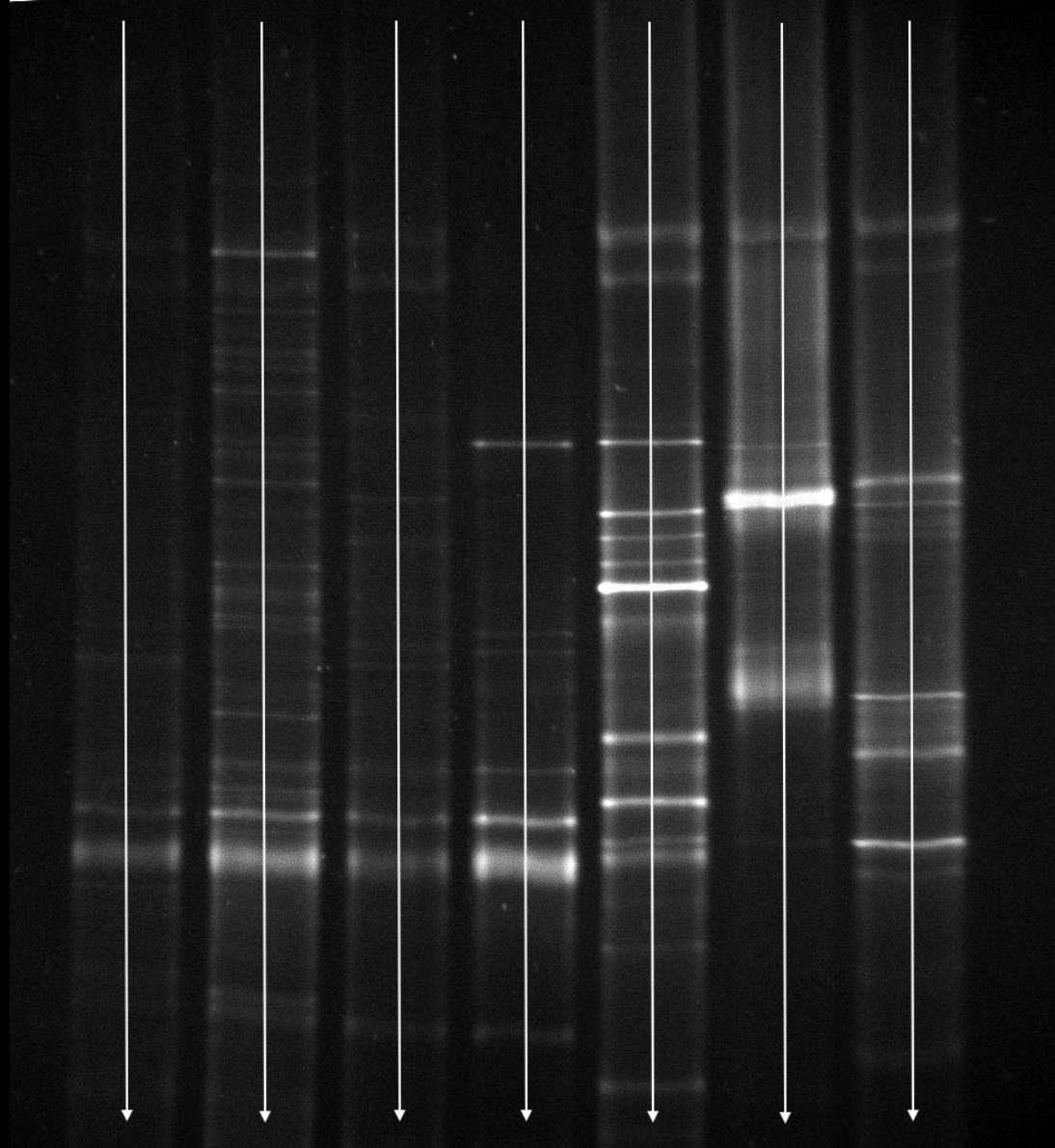
Work process

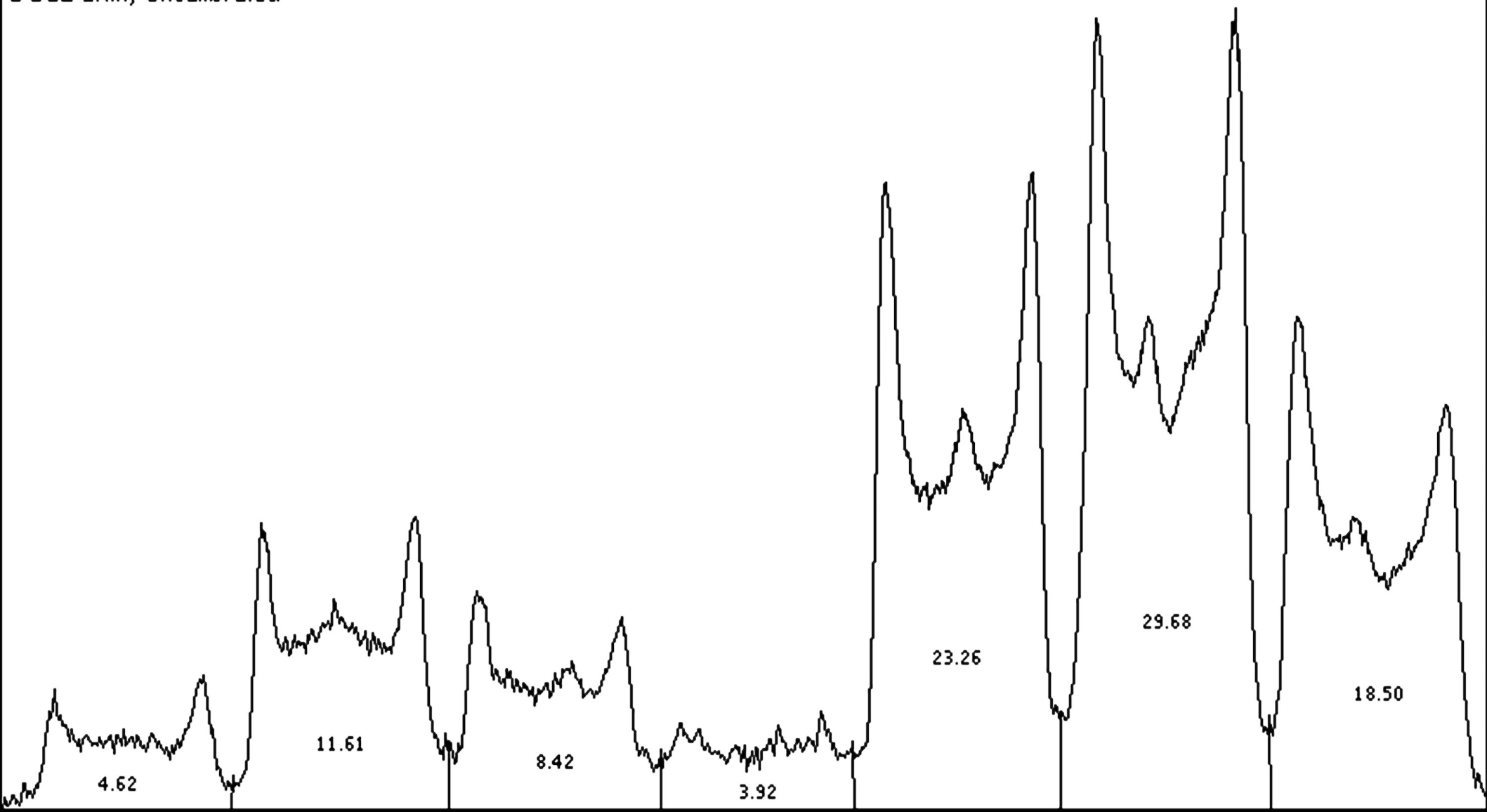
The techniques used were more complex than expected though. With the help of Gahyun Baek, I was able to gather a useful DGGE image which I then translated into other data with scientific software found online I was able to produce graphs from the gel lanes and the resulting number were put into a spreadsheet. Due to the time constraints I was not able to translate other data into colours. So this work is still in progress. If the graphs were more precise it would be possible for instance to map the graph as a 3d landscape. and use any point in that landscape to produce other data, e.g. sound.

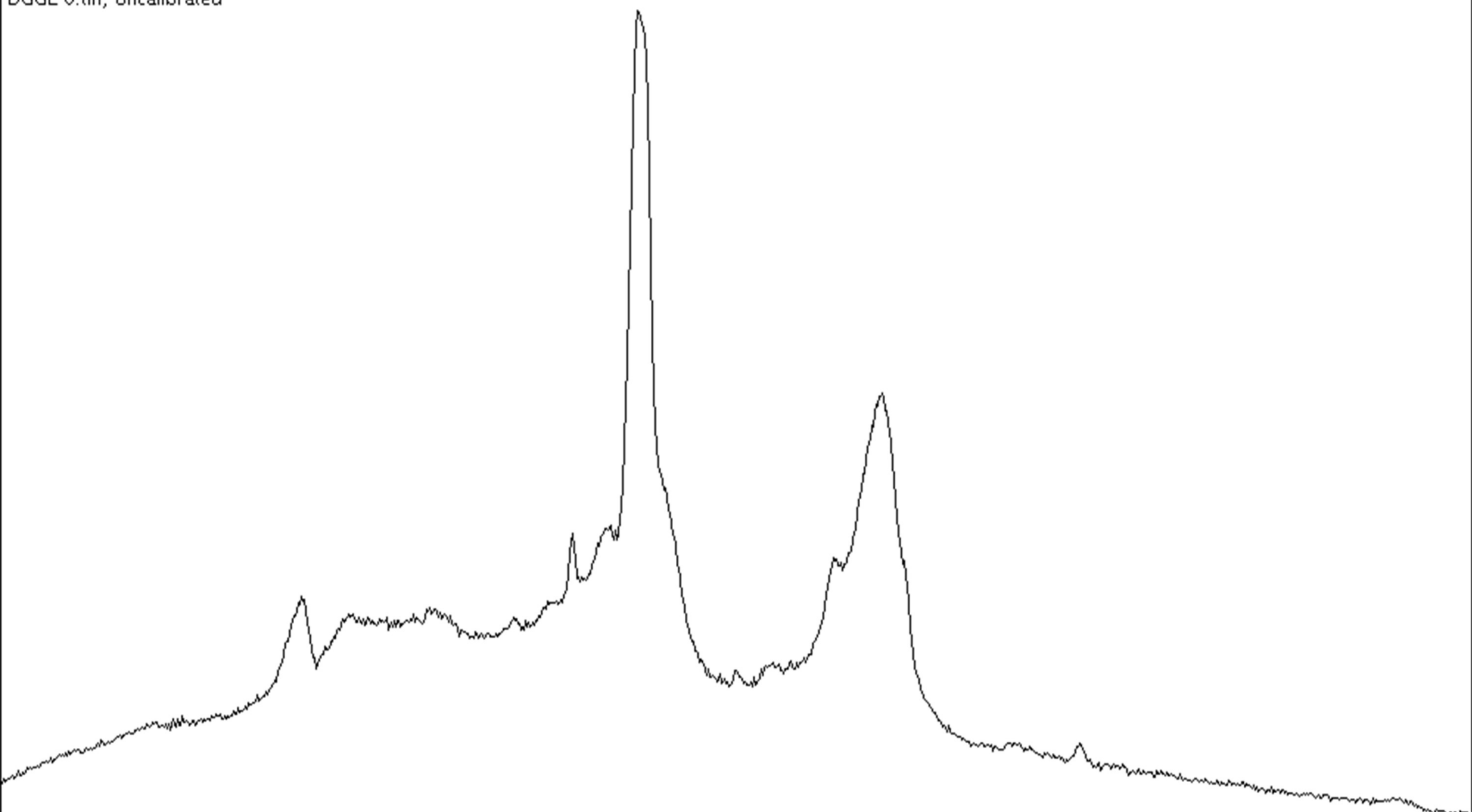
Please see the following images:



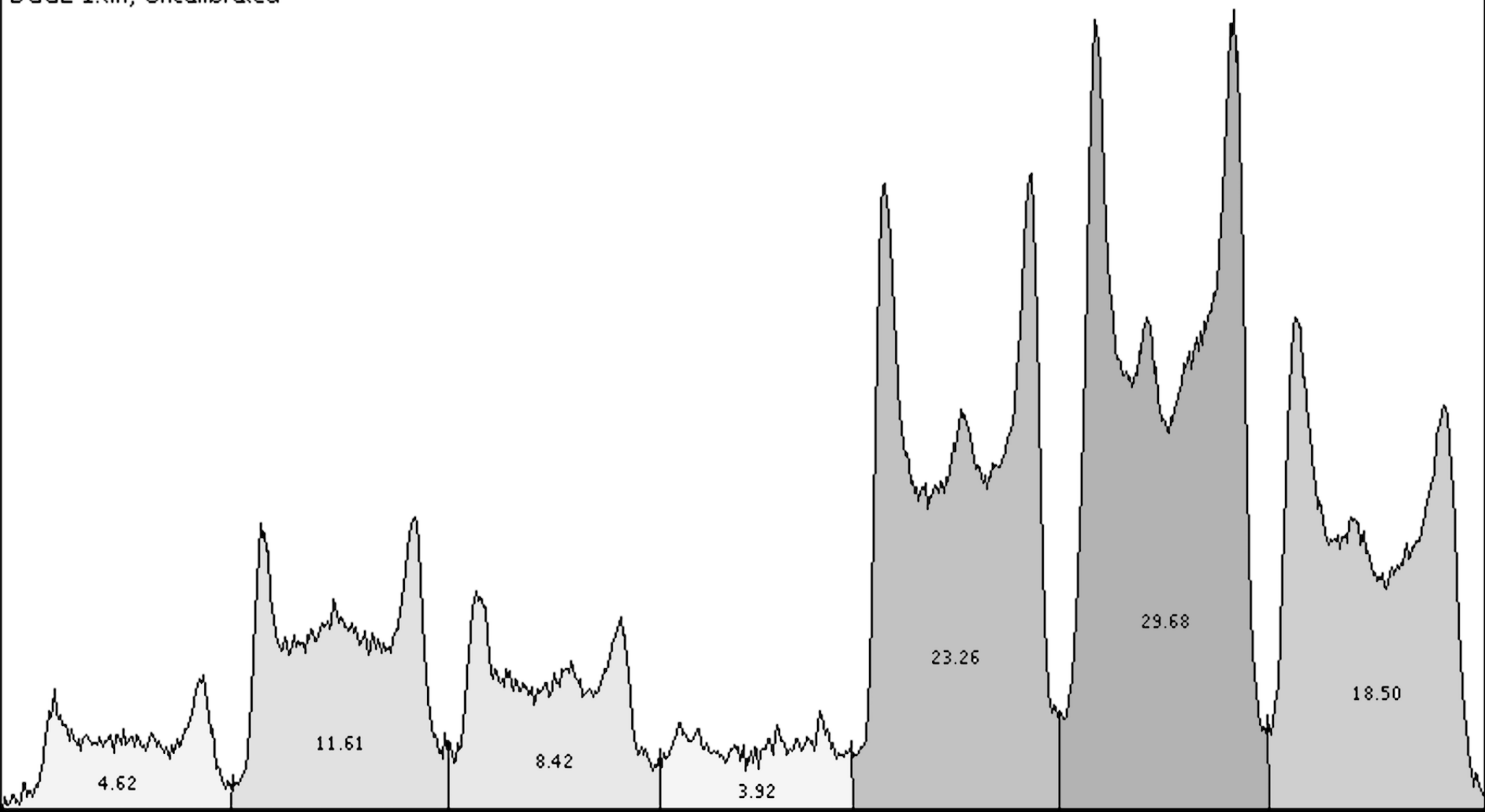






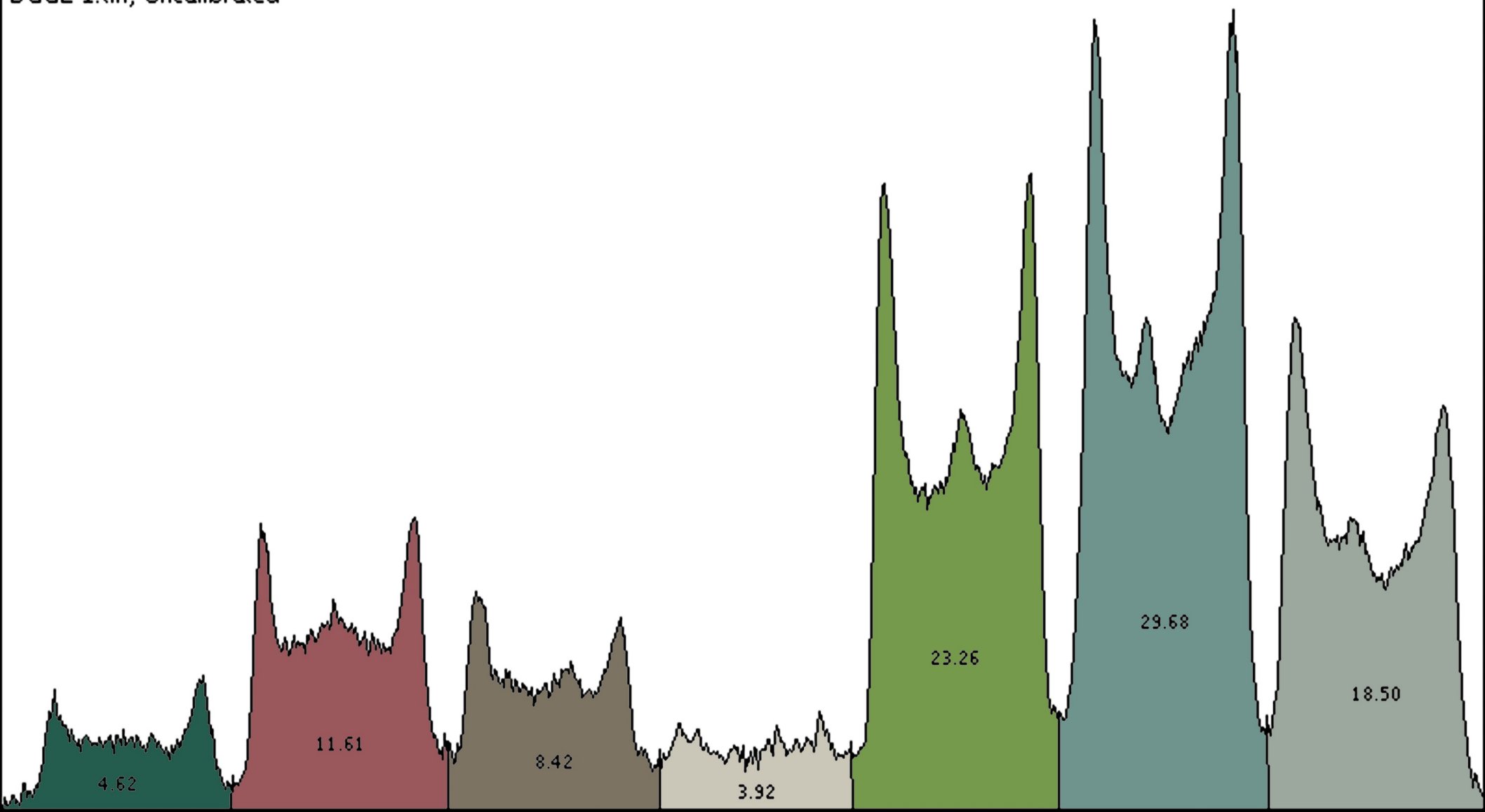


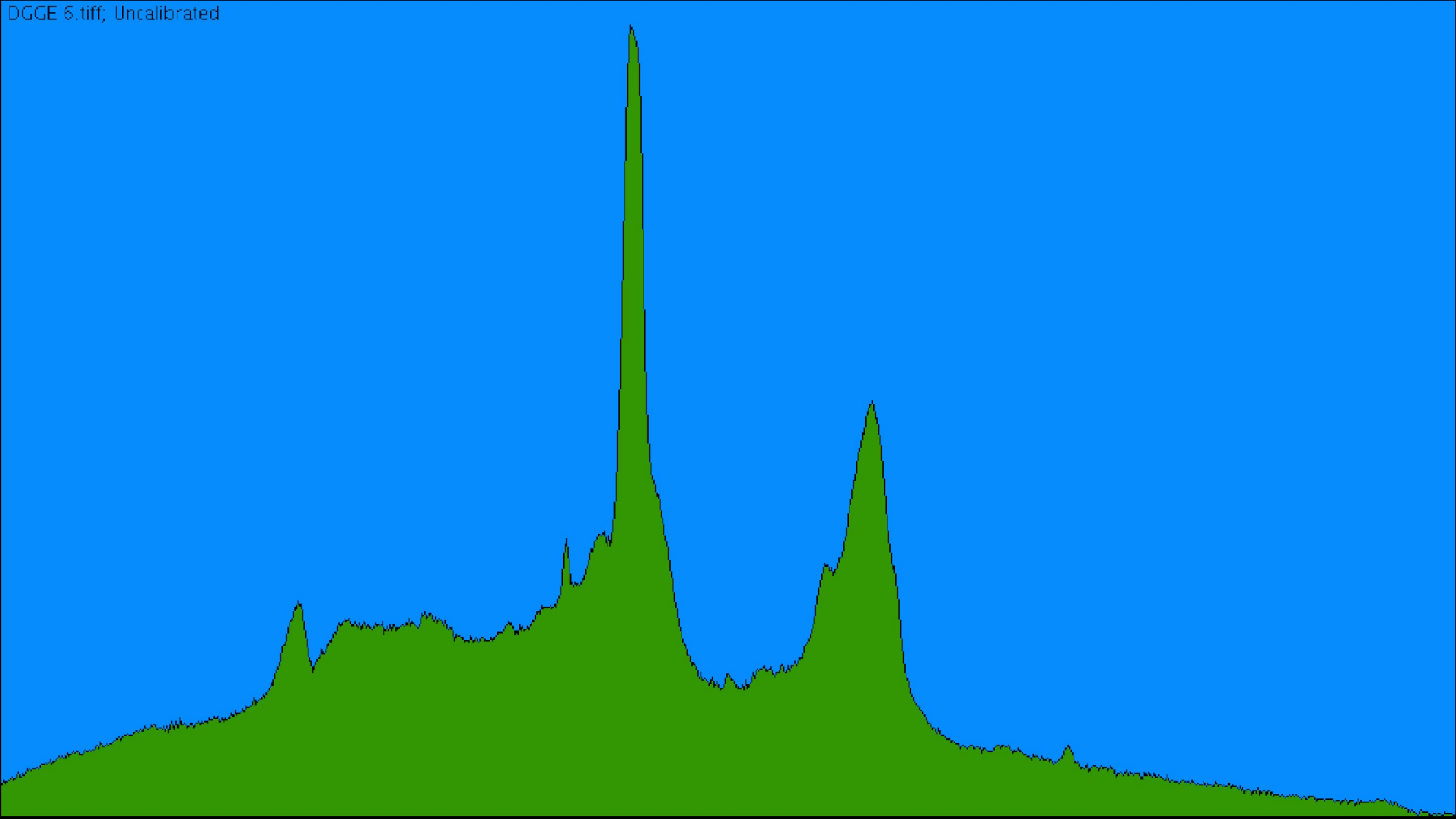
Outcome
<https://wp.me/P1ynG8-QU>



CYMK

| | | |
|-----------|--------|-------------|
| 3817.095 | 4.618 | 3/81/70/95 |
| 9597.439 | 11.611 | 9/59/74/39 |
| 6957.61 | 8.417 | 0/69/57/61 |
| 3241.418 | 3.921 | 3/24/14/18 |
| 19225.61 | 23.258 | 1/92/25/61 |
| 24530.61 | 29.676 | 2/45/30/61 |
| 15291.731 | 18.499 | 15/29/17/31 |





Residency impressions

It is possible to invite artists to do what they do anyway. It would be probably more conducive to bringing art and science closer by embedding an artist longer term into a lab or research group. It takes some time for an outsider to master techniques and not to rely entirely on others. An embedded artist would be more knowledgeable when following the project from its inception.

A one month residency will rarely explore the potential of art methods v. science methods.

Both art and science suffer if both are bogged down in routines. Scientific change begins with “imagining” - Newton imagining objects in “empty space” (I discount More’s input), Galileo imagining air free space and contending that a feather would fall as fast as a cannon ball, or Einstein the change of time relating to the movement of a streetcar and clocktower. It may take a “paradigm change” to break up the routine, the calculation, the immediate utility of research, and artists may be able to help with a sense to detect and grasp serendipitous aspects to a research question.

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